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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,146	07/09/2004	Yasushi Katayama	253399US6PCT	5243
22850 7590 05/15/2009 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER NICKERSON, JEFFREY L	
			ART UNIT 2442	PAPER NUMBER
			NOTIFICATION DATE 05/15/2009	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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### **DETAILED ACTION**

1. This communication is in response to Application No. 10/500,146 filed nationally on 09 July 2004 and internationally on 18 November 2003. The request for continued examination presented on 26 February 2009, which provides change to claims 1-2, 4-6, 11, 13-15, 17-19, 22, 24, and 26, and cancels claims 12 and 25, is hereby acknowledged. Claims 1-11, 13-24, 26, and 29 have been examined.

### ***Election/Restrictions***

2. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- a. Group I, claim(s) 1-10 and 14-23, drawn to an apparatus and method for setting bandwidth percentages for selected transmission modes based on demand level information.
- b. Group II, claim(s) 11, 13, 24, 26, and 29, drawn to an apparatus and method for calculating demand level information and performing carousel management based on demand level information.

Art Unit: 2442

The groups of inventions listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Group I contains common features found within that of Group II. However, the common features found between these two groups are found within the art and rejections found within that of a prior office action, dated 26 November 2008. Furthermore, the features of Group I that applicant alleges are novel over the art of record, as found in arguments presented on 26 February 2009, are not commonly found within that of the claims of Group II. Therefore, Group I is deemed to lack unity with Group II evident a posteriori.

Group II contains common features found within that of Group I. However, the common features found between these two groups are found within the art and rejections found within that of a prior office action, dated 26 November 2008. Furthermore, the features of Group II that applicant alleges are novel over the art of record, as found in arguments presented on 26 February 2009, are not found within that of the claims of Group I. Therefore, Group II is deemed to lack unity with Group I evident a posteriori.

Art Unit: 2442

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention or species.

Should applicant traverse on the ground that the inventions have unity of invention (37 CFR 1.475(a)), applicant must provide reasons in support thereof. Applicant may submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. Where such evidence or admission is provided by applicant, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JEFFREY NICKERSON whose telephone number is (571)270-3631. The examiner can normally be reached on M-Th, 9:00am - 7:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (571)272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. N./  
Jeffrey Nickerson  
Examiner, Art Unit 2442

/Andrew Caldwell/  
Supervisory Patent Examiner, Art  
Unit 2442